Last login: Fri Jan 27 15:58:18 on ttys000 (base) nakulpatel@Nakuls-MacBook-Pro Assigment 2 % sqlite3 SQLite version 3.38.2 2022-03-26 13:51:10 Enter ".help" for usage hints.

Connected to a transient in-memory database.

Use ".open FILENAME" to reopen on a persistent database.

sqlite> .read Build-DB-SaleCo-ver1.sql Below are the tables that were created:

CUSTOMER INVOICE LINE PRODUCT VENDOR

sqlite> .read sample_queries.sql

====== LISTING TABLE CONTENTS - SELECT QUERIES

SELECT * FROM PRODUCT;

P_CODE	P_DESCRIPT	P_INDATE	P_QOH	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
11QER/31	Power painter, 15 psi., 3-nozzle	03-NOV-2015	8	5	109.99	0	25595
13-Q2/P2	7.25-in. pwr. saw blade	13-DEC-2015	32	15	14.99	0.05	21344
14-Q1/L3	9.00-in. pwr. saw blade	13-NOV-2015	18	12	17.49	0	21344
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	15-JAN-2016	15	8	39.95	0	23119
1558-QW1	Hrd. cloth, 1/2-in., 3x50	15-JAN-2016	23	5	43.99	0	23119
2232/QTY	B&D jigsaw, 12-in. blade	30-DEC-2015	8	5	109.92	0.05	24288
2232/QWE	B&D jigsaw, 8-in. blade	24-DEC-2015	6	5	99.87	0.05	24288
2238/QPD	B&D cordless drill, 1/2-in.	20-JAN-2016	12	5	38.95	0.05	25595
23109-HB	Claw hammer	20-JAN-2016	23	10	9.95	0.1	21225
23114-AA	Sledge hammer, 12 lb.	02-JAN-2016	8	5	14.4	0.05	
54778-2T	Rat-tail file, 1/8-in. fine	15-DEC-2015	43	20	4.99	0	21344
89-WRE-Q	Hicut chain saw, 16 in.	07-FEB-2016	11	5	256.99	0.05	24288
PVC23DRT	PVC pipe, 3.5-in., 8-ft	20-FEB-2016	188	75	5.87	0	
SM-18277	1.25-in. metal screw, 25	01-MAR-2016	172	75	6.99	0	21225
SW-23116	2.5-in. wd. screw, 50	24-FEB-2016	237	100	8.45	0	21231
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	17-JAN-2016	18	5	119.95	0.1	25595

====== SELECT WITH WHERE CLAUSE

SELECT P_DESCRIPT, P_INDATE, P_PRICE, V_CODE

FROM PRODUCT
WHERE V_CODE = 21344;

P_DESCRIPT	P_INDATE	P_PRICE	V_CODE
7.25-in. pwr. saw blade	13-DEC-2015	14.99	21344
9.00-in. pwr. saw blade	13-NOV-2015	17.49	21344
Rat-tail file, 1/8-in, fine	15-DEC-2015	4.99	21344

======Other comparison operators >, >=, <, <=, <>

SELECT P_DESCRIPT, P_INDATE, P_PRICE, V_CODE

FROM PRODUCT
WHERE V_CODE <> 21344;

P_DESCRIPT P_INDATE P_PRICE V_CODE Power painter, 15 psi., 3-nozzle Hrd. cloth, 1/4-in., 2x50 Hrd. cloth, 1/2-in., 3x50 H5-JAN-2016 43.99 H5-JAN-2016 43.99 H5-JAN-2016 43.99 H5-JAN-2016 43.99 H5-JAN-2016 H5-JA 25595 23119 23119 24288 24288 25595 21225 24288 HIGH CHAIN SAW, 16 In. 07-FEB-2016 250.79
1.25-in. metal screw, 25 01-MAR-2016 6.99
2.5-in. wd. screw, 50 24-FEB-2016 8.45
Steel matting, 4'x8'x1/6", .5" mesh 17-JAN-2016 119.95 21225

SELECT P_DESCRIPT, P_QOH, P_MIN, P_PRICE

FROM PRODUCT
WHERE P_PRICE <= 10;

P_DESCRIPT	P_Q0H	P_MIN	P_PRICE
Claw hammer	23	10	9.95
Rat-tail file, 1/8-in. fine	43	20	4.99
PVC pipe, 3.5-in., 8-ft	188	75	5.87
1.25-in. metal screw, 25	172	75	6.99
2.5-in. wd. screw, 50	237	100	8.45

======Using computed columns and aliases

SELECT P_DESCRIPT, P_QOH, P_PRICE, P_QOH*P_PRICE FROM PRODUCT;

P_DESCRIPT	P_Q0H	P_PRICE	P_QOH*P_PRICE
Power painter, 15 psi., 3-nozzle	8	109.99	879.92
7.25-in. pwr. saw blade	32	14.99	479.68
9.00-in. pwr. saw blade	18	17.49	314.82
Hrd. cloth, 1/4-in., 2x50	15	39.95	599.25
Hrd. cloth, 1/2-in., 3x50	23	43.99	1011.77
B&D jigsaw, 12-in. blade	8	109.92	879.36
B&D jigsaw, 8-in. blade	6	99.87	599.22
B&D cordless drill, 1/2-in.	12	38.95	467.4
Claw hammer	23	9.95	228.85
Sledge hammer, 12 lb.	8	14.4	115.2
Rat-tail file, 1/8-in. fine	43	4.99	214.57
Hicut chain saw, 16 in.	11	256.99	2826.89
PVC pipe, 3.5-in., 8-ft	188	5.87	1103.56
1.25-in. metal screw, 25	172	6.99	1202.28
2.5-in. wd. screw, 50	237	8.45	2002.65
Steel matting, 4'x8'x1/6", .5" mesh	18	119.95	2159.1

SELECT P_DESCRIPT, P_QOH, P_PRICE, P_QOH*P_PRICE AS TOTVALUE

FROM PRODUCT;

P_DESCRIPT	P_Q0H	P_PRICE	TOTVALUE
Power painter, 15 psi., 3-nozzle	8	109.99	879.92
7.25-in. pwr. saw blade	32	14.99	479.68
9.00-in. pwr. saw blade	18	17.49	314.82

Hrd. cloth, 1/4-in., 2x50	15	39.95	599.25
Hrd. cloth, 1/2-in., 3x50	23	43.99	1011.77
B&D jigsaw, 12-in. blade	8	109.92	879.36
B&D jigsaw, 8-in. blade	6	99.87	599.22
B&D cordless drill, 1/2-in.	12	38.95	467.4
Claw hammer	23	9.95	228.85
Sledge hammer, 12 lb.	8	14.4	115.2
Rat-tail file, 1/8-in. fine	43	4.99	214.57
Hicut chain saw, 16 in.	11	256.99	2826.89
PVC pipe, 3.5-in., 8-ft	188	5.87	1103.56
1.25-in. metal screw, 25	172	6.99	1202.28
2.5-in. wd. screw, 50	237	8.45	2002.65
Steel matting, 4'x8'x1/6", .5" mesh	18	119.95	2159.1

======Logical operators AND, OR, NOT

SELECT P_DESCRIPT, P_QOH, P_PRICE, V_CODE FROM PRODUCT WHERE P_PRICE < 50

AND P_QOH > 10;

P_DESCRIPT	P_Q0H	P_PRICE	V_CODE
7.25-in. pwr. saw blade	32	14.99	21344
9.00-in. pwr. saw blade	18	17.49	21344
Hrd. cloth, 1/4-in., 2x50	15	39.95	23119
Hrd. cloth, 1/2-in., 3x50	23	43.99	23119
B&D cordless drill, 1/2-in.	12	38.95	25595
Claw hammer	23	9.95	21225
Rat-tail file, 1/8-in. fine	43	4.99	21344
PVC pipe, 3.5-in., 8-ft	188	5.87	
1.25-in. metal screw, 25	172	6.99	21225
2.5-in. wd. screw. 50	237	8.45	21231

SELECT P_DESCRIPT, P_QOH, P_PRICE, V_CODE FROM PRODUCT WHERE P_PRICE < 50 OR P_QOH > 10;

P_DESCRIPT	P_Q0H	P_PRICE	V_CODE
7.25-in. pwr. saw blade	32	14.99	21344
9.00-in. pwr. saw blade	18	17.49	21344
Hrd. cloth, 1/4-in., 2x50	15	39.95	23119
Hrd. cloth, 1/2-in., 3x50	23	43.99	23119
B&D cordless drill, 1/2-in.	12	38.95	25595
Claw hammer	23	9.95	21225
Sledge hammer, 12 lb.	8	14.4	
Rat-tail file, 1/8-in. fine	43	4.99	21344
Hicut chain saw, 16 in.	11	256.99	24288
PVC pipe, 3.5-in., 8-ft	188	5.87	
1.25-in. metal screw, 25	172	6.99	21225
2.5-in. wd. screw, 50	237	8.45	21231
Steel matting, 4'x8'x1/6", .5" mesh	18	119.95	25595

SELECT *
FROM PRODUCT
WHERE NOT (V_CODE = 21344);

P_CODE	P_DESCRIPT	P_INDATE	P_Q0H	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
11QER/31	Power painter, 15 psi., 3-nozzle	03-NOV-2015	8	5	109.99	0	25595
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	15-JAN-2016	15	8	39.95	0	23119
1558-QW1	Hrd. cloth, 1/2-in., 3x50	15-JAN-2016	23	5	43.99	0	23119
2232/QTY	B&D jigsaw, 12-in. blade	30-DEC-2015	8	5	109.92	0.05	24288
2232/QWE	B&D jigsaw, 8-in. blade	24-DEC-2015	6	5	99.87	0.05	24288
2238/QPD	B&D cordless drill, 1/2-in.	20-JAN-2016	12	5	38.95	0.05	25595
23109-HB	Claw hammer	20-JAN-2016	23	10	9.95	0.1	21225
89-WRE-Q	Hicut chain saw, 16 in.	07-FEB-2016	11	5	256.99	0.05	24288
SM-18277	1.25-in. metal screw, 25	01-MAR-2016	172	75	6.99	0	21225
SW-23116	2.5-in. wd. screw, 50	24-FEB-2016	237	100	8.45	0	21231
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	17-JAN-2016	18	5	119.95	0.1	25595

======Special operators : BETWEEN, IS NULL, LIKE, IN, EXITS

SELECT *
FROM PRODUCT
WHERE P_PRICE BETWEEN 50.00 AND 100.00;

P_CODE	P_DESCRIPT	P_INDATE	P_Q0H	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
2232/QWE	B&D jigsaw, 8-in. blade	24-DEC-2015	6	5	99.87	0.05	24288

SELECT P_CODE, P_DESCRIPT FROM PRODUCT WHERE V_CODE IS NULL;

P_CODE P_DESCRIPT

23114-AA Sledge hammer, 12 lb. PVC23DRT PVC pipe, 3.5-in., 8-ft

 V_NAME
 V_CONTACT
 V_AREACODE
 V_PHONE

 Bryson, Inc.
 Smithson
 615
 223-3234

 Dome Supply
 Smith
 901
 678-1419

 B&K, Inc.
 Smith
 904
 227-0093

SELECT *
FROM PRODUCT
WHERE V_CODE IN (21344, 24288);

P_INDATE P_QOH P_MIN P_PRICE P_DISCOUNT V_CODE P_CODE P_DESCRIPT

```
13-Q2/P2 7.25-in. pwr. saw blade 13-DEC-2015 32 14-Q1/L3 9.00-in. pwr. saw blade 13-NOV-2015 18 54778-2T Rat-tail file, 1/8-in. fine 15-DEC-2015 43 2232/QNT 8&D jigsaw, 12-in. blade 24-DEC-2015 6 89-WRE-Q Hicut chain saw, 16 in. 07-FEB-2016 11
                                                                                                                12
                                                                                                               20
5
5
 -----sqlite> SELECT COUNT(*) as no_of_invoices FROM INVOICE;
 SELECT INV_NUMBER, INV_DATE FROM INVOICE;
 no_of_invoices
 INV_NUMBER INV_DATE
                       16-JAN-2016
16-JAN-2016
 1001
 1002
 1003
                       16-JAN-2016
 1004
                       17-JAN-2016
                       17-JAN-2016
17-JAN-2016
17-JAN-2016
 1006
 1007
                       17-JAN-2016
 1008 17-JAN-2016
sqlite> SELECT COUNT(*) as no_of_customers
 FROM CUSTOMER:
 SELECT CUS_CODE, CUS_FNAME, CUS_LNAME
FROM CUSTOMER;
no_of_customers
10
CUS_CODE CUS_FNAME CUS_LNAME
 10016
                   James
                                        Brown
 10011
                    Leona
                                        Dunne
 10018
                   Anne
                                        Farriss
 10015
10013
                   Amy
Paul
                                        Olowski
                   Myron
Alfred
Kathy
Olette
 10014
                                        Orlando
 10010
                                        Ramas
Smith
 10019
                                        Smith
 10017 George Williams
sqlite> SELECT V_CODE, V_NAME
FROM VENDOR;
 SELECT V_STATE, COUNT(*) as no_of_vendors
FROM VENDOR
GROUP BY 1;
V_CODE V_NAME
               Bryson, Inc.
SuperLoo, Inc.
D&E Supply
 21225
 21226
 21231
 21344
22567
               Gomez Bros.
Dome Supply
 23119
               Randsets Ltd.
               Brackman Bros.
ORDVA, Inc.
B&K, Inc.
Damal Supplies
 24004
24288
 25443
 25501
 25595 Rubicon Systems
V_STATE no_of_vendors
 ΕI
 ΤN
sqlite> SELECT P_DESCRIPT, P_QOH
FROM PRODUCT
ORDER BY P_PRICE DESC
LIMIT 1;
P_DESCRIPT
P_QOH
------
Hicut chain saw, 16 in. 11
sqlite> SELECT COUNT(*) as no_of_cus_balance_500
FROM CUSTOMER
WHERE CUS_BALANCE > 500;
 LIMIT 1:
 SELECT CUS_CODE, CUS_FNAME, CUS_LNAME, CUS_BALANCE FROM CUSTOMER WHERE CUS_BALANCE > 500;
 no_of_cus_balance_500
 CUS_CODE CUS_FNAME CUS_LNAME CUS_BALANCE
                   Paul
                                       Olowski 536.75
Williams 768.93
 10017
                   George
 VENDOR V
LEFT JOIN PRODUCT as p
 ON v.V CODE = p.V CODE
B&K, Inc.
Brackman Bros.
Bryson, Inc. SM-18277 1.25-in. metal screw, 25 D&E Supply SW-23116 2.5-in. wd. screw, 50 Damal Supplies Dome Supply.
Dome Supply
Gomez Bros. 13-02/P2 7.25-in. pwr. saw blade
Gomez Bros. 14-01/L3 9.00-in. pwr. saw blade
Gomez Bros. 54778-2T Rat-tail file, 1/8-in. fine
ORDVA, Inc. 2232/OTY B&D jigsaw, 12-in. blade
ORDVA, Inc. 2932/OTY B&D jigsaw, 12-in. blade
ORDVA, Inc. 89-WRE-Q Hicut chain saw, 16 in.
Randsets Ltd. 156-QO2 Hrd. cloth, 1/4-in., 2x50
Rubicon Systems 10ER/31 Power painter, 15 psi., 3-nozzle
Rubicon Systems 2238/QPD B&D cordless drill, 1/2-in.
Rubicon Systems WR3/TT3 Steel matting, 4'x8'x1/6", .5" mesh
 Dome Supply
```

14.99 17.49 4.99

109.92 99.87 256.99

0.05 0.05 0.05 21344 21344

21344

24288 24288

24288

```
SuperLoo, Inc. sqlite> SeLECT c.CUS_CODE, i.INV_NUMBER, LINE_NUMBER, LINE_PRICE*LINE_UNITS AS PURCHASES FROM CUSTOMER c _____
FROM CUSTOMER c
JOIN INVOICE as i
ON c.CUS_CODE = i.CUS_CODE
LEFT JOIN LINE as 1
ON i.INV_NUMBER = 1.INV_NUMBER
ORDER BY 1, 2, 3;
CUS_CODE INV_NUMBER LINE_NUMBER PURCHASES
                                                                                      9.98
14.97
19.9
29.35
359.85
9.95
38.95
 10011
                         1002
10011
10011
                         1004
1004
                         1008
1008
1008
1003
 10011
10011
10011
10011
10012
10012
10012
10012
10014
                         1003
1003
1001
                                                                                      39.95
74.95
14.99
9.95
20.97
109.92
9.95
256.99
29.98
4.99
70.44
 10014
                         1001
10014
10014
10014
10014
                         1006
1006
1006
 10014
10015
10015
                         1006
1006
1007
1007
1005
 10018
sqlite> SELECT CUS_CODE, CUS_FNAME, CUS_LNAME, CUS_BALANCE
FROM CUSTOMER
WHERE CUS_CODE IN (SELECT DISTINCT CUS_CODE FROM INVOICE)
ORDER BY 1 ASC;
CUS_CODE CUS_FNAME CUS_LNAME CUS_BALANCE
 10011
                         Leona
                                                    Dunne
                         Kathy
Myron
                                                    Smith
Orlando
                                                                                345.86
 10012
 10014
18914 Myron Orlando 0
18915 Amy O'Brian 0
18918 Anne Farriss 216.55
sqlite> SELECT CUS_CODE, CUS_FNAME, CUS_LNAME
FROM CUSTOMER
WHERE CUS_CODE NOT IN (SELECT DISTINCT CUS_CODE FROM INVOICE)
ORDER BY 1 ASC;
CUS_CODE CUS_FNAME CUS_LNAME
                                                   Ramas
Olowski
Brown
Williams
 10010
                         Alfred
10010 Alfred Ramas
10013 Paul Olowski
10016 James Brown
10017 George Williams
10019 Olette Smith
sqlite> SELECT SUM(P_QOH*P_PRICE) as INVENTORY_VALUE
FROM PRODUCT;
INVENTORY_VALUE
 15084.52
sqlite>
```